

Title (en)
ULTRASONOGRAM GENERATION METHOD

Title (de)
VERFAHREN ZUR ERZEUGUNG EINES ULTRASONOGRAMMS

Title (fr)
PROCEDE DE REALISATION D'ECHOGRAMMES

Publication
EP 1625829 A4 20100804 (EN)

Application
EP 04733985 A 20040519

Priority
• JP 2004007123 W 20040519
• JP 2003140823 A 20030519
• JP 2003387281 A 20031117

Abstract (en)
[origin: EP1625829A1] An ultrasonic image generating method for generating an ultrasonic image based on ultrasonic echo data obtained by transmitting/receiving ultrasonic waves to/from an inspection object, according to the present invention, includes reference position setting steps for determining the reference position on each image with respect to a plurality of consecutive two-dimensional tomograms; correction steps for obtaining regular and consecutive two-dimensional tomograms by correcting irregularity of the reference position of each of the two-dimensional tomograms determined by the reference position setting steps; and an ultrasonic image generating step for generating the ultrasonic images based on the regular and consecutive two-dimensional tomograms corrected by the correction steps.

IPC 8 full level
A61B 8/12 (2006.01); **A61B 8/14** (2006.01); **G06T 7/00** (2006.01)

CPC (source: EP US)
A61B 8/12 (2013.01 - EP US); **A61B 8/14** (2013.01 - EP US); **A61B 8/5276** (2013.01 - EP US); **G06T 7/33** (2016.12 - EP US); **G06T 7/66** (2016.12 - EP US); **G06T 2207/10132** (2013.01 - EP US); **G06T 2207/30028** (2013.01 - EP US); **G06T 2207/30061** (2013.01 - EP US); **G06T 2207/30101** (2013.01 - EP US)

Citation (search report)
• [A] US 6106466 A 20000822 - SHEEHAN FLORENCE H [US], et al
• [X] LEOTTA D F ET AL: "Serial measurement of cross-sectional area in peripheral vein grafts using three-dimensional ultrasound", ULTRASOUND IN MEDICINE AND BIOLOGY, NEW YORK, NY, US LNKD- DOI:10.1016/S0301-5629(00)00296-9, vol. 27, no. 1, 1 January 2001 (2001-01-01), pages 61 - 68, XP004295665, ISSN: 0301-5629
• [A] SANCHES J M ET AL: "Joint image registration and volume reconstruction for 3D ultrasound", PATTERN RECOGNITION LETTERS, ELSEVIER, AMSTERDAM, NL LNKD- DOI:10.1016/S0167-8655(02)00182-4, vol. 24, no. 4-5, 1 February 2003 (2003-02-01), pages 791 - 800, XP004391217, ISSN: 0167-8655
• See references of WO 2004100795A1

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
EP 1625829 A1 20060215; **EP 1625829 A4 20100804**; **EP 1625829 B1 20190227**; **EP 1625829 B8 20190417**; JP 2005000638 A 20050106; JP 4468677 B2 20100526; US 2006079772 A1 20060413; US 8162835 B2 20120424; WO 2004100795 A1 20041125

DOCDB simple family (application)
EP 04733985 A 20040519; JP 2003387281 A 20031117; JP 2004007123 W 20040519; US 28075105 A 20051116